

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053136 A1

(51) International Patent Classification⁷: C12N 15/82,
15/90, 15/63, 15/66, A01H 5/00

(81) Designated State (*national*): US.

(21) International Application Number:
PCT/IB2002/005253

(84) Designated States (*regional*): European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT,
LU, MC, NL, PT, SE, SI, SK, TR).

(22) International Filing Date: 9 December 2002 (09.12.2002)

(25) Filing Language: English

(26) Publication Language: English

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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*
- *of inventorship (Rule 4.17(iv)) for US only*

Published:

- *with international search report*
- *with amended claims*

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(54) Title: RICE CONFERRING RESISTANCE TO ENVIRONMENTAL STRESS BY TARGETING MnSOD TO THE CHLOROPLAST

(57) Abstract: The present invention relates to the over expression of MnSOD in the Chloroplast which is the site of production of reactive oxygen species and provides the means and wherewithal of cultivating crops in areas where it would not otherwise grow normally on account of environmental stress conditions inclusive of high and low temperature, salinity, drought and ultra violet light, is resistant to herbicides thereby resulting in an increase in yield and also improved crop quality.

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